



ROBEX 360LC-7A

## Standard Equipment

- ISO standard cabin**
  - Heater & Defroster
  - Heater (7,500 kcal/hr, 30,000 BTU/hr)
  - All-weather steel cab with all-around visibility
  - Safety glass windows
  - Rise-up type windshield wiper
  - Sliding fold-in front window
  - Sliding side window
  - Lockable door
  - Hot & cool box
  - Accessory box & Ash-tray
- Computer Aided Power Optimization(New CAPO) system**
  - 2-power mode, 3-work mode, 2-user mode
  - Auto deceleration & one touch deceleration system
  - Auto warm up system
  - Auto overheat prevention system
- Heater & Defroster (7500 Kcal/hr, 30000 BTU/hr)**
- Self diagnostic system**
- AM/FM radio and cassette**
  - Radio remote switch
- Centralized monitoring**
  - LCD display
  - Engine speed
  - Clock & Error code
  - Gauges
  - Fuel level gauge
  - Engine coolant temperature gauge
  - Hyd. oil temperature gauge
  - Warning
  - Fuel level
  - Check Engine & CPU
  - Engine oil pressure
  - Engine coolant temperature
  - Hyd. oil temperature
  - Low battery
  - Air cleaner clogging
  - Indicator
  - Power max.
  - Preheat & Engine warming-up
  - One touch decel
- Starting Aid (Air grille heater) cold Weather**
- Door and cab locks, one key**
- Two outside rearview mirrors**
- Fully adjustable suspension seat with seat belt**
- Slidable joystick, pilot-operated**
- Console box tilting system(LH.)**
- Three front working lights**
- Electric horn**
- Batteries (2 x 12 V x 160 AH)**
- Battery master switch**
- Removable clean out screen for Hyd. oil cooler**
- Automatic swing brake**
- Removable reservoir tank**
- Water separator & Fuel pre-filter, Fuel line**
- Boom holding system**
- Arm holding system**
- Counterweight (6500 kg, 14330 lb)**
- Mono boom (6.5 m, 21' 4")**
- Arm (3.2 m, 10' 6")**
- Track shoes (600 mm, 23.6")**
- Track rail guard**
- Travel alarm**
- Fuel warmer**

Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine shown may vary according to International standards.  
All US measurement rounded off to nearest pounds or inches.

 **HYUNDAI**  
HEAVY INDUSTRIES CO., LTD.  
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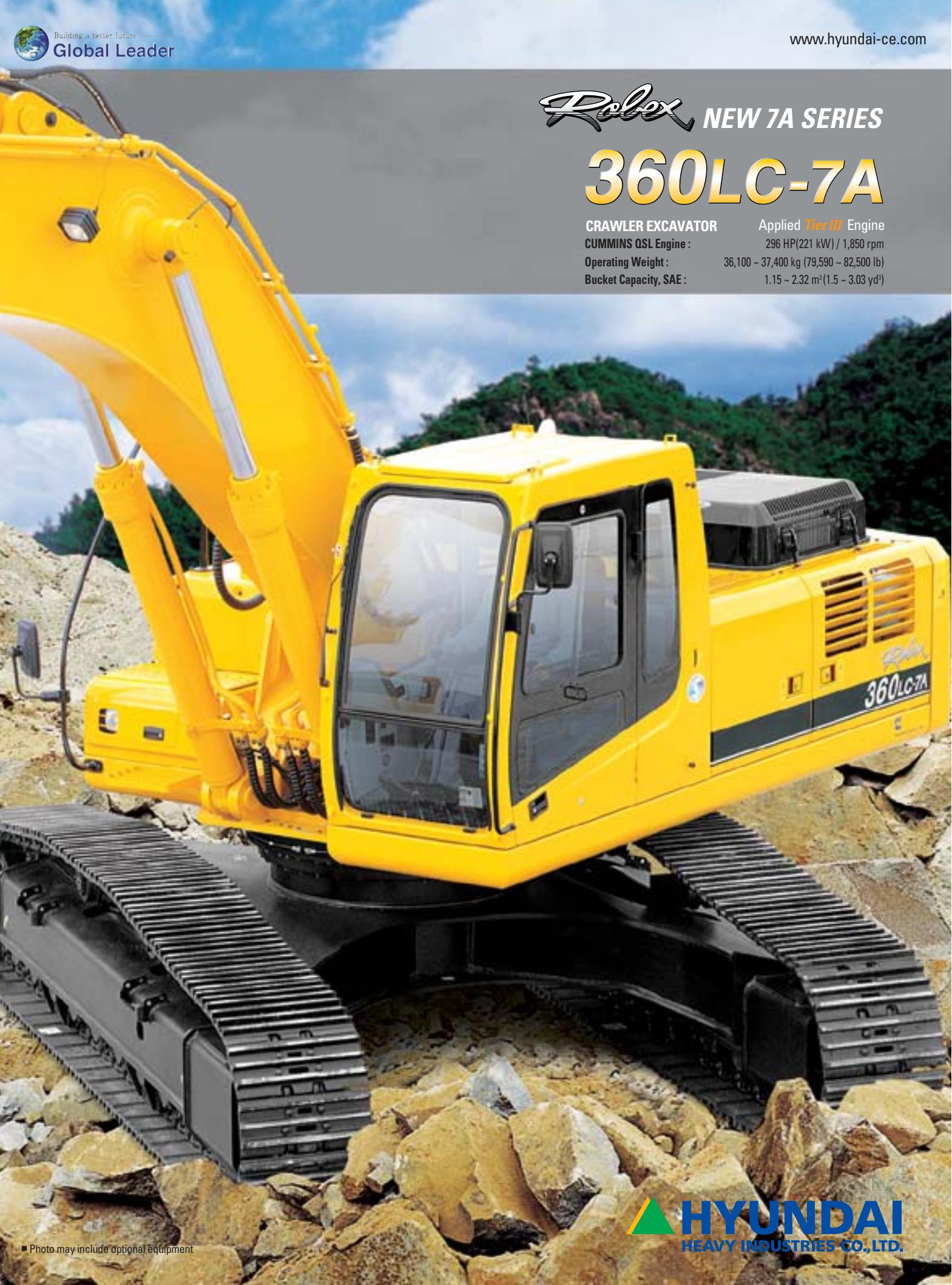
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## Optional Equipment

- Air-conditioner(5,000 kcal/hr, 20,000 BTU/hr)**
- FATC (Full Automatic Temperature Control)**
- Sun visor for cabin inside**
- Fuel filler pump(35 l / min, 9.2 USgpm)**
- Beacon lamp**
- Safety lock valve for boom cylinder with overload warning device**
- Safety lock valve for arm cylinder**
- Single acting piping kit( breaker, etc)**
- Double acting piping kit(cramshell, etc)**
- Accumulator, work equipment lowering**
- 12 volt power supply(24V DC - 12V DC converter)**
- Electric transducer**
- CD Player**
- Various optional Arms**
  - Short arm (2.50 m, 8' 2")
  - Long arm (3.90 m, 12' 10")
  - Long arm (4.30 m, 14' 1")
  - Super long arm (5.10 m, 16' 9")
- Various optional Buckets(SAE heaped)**
  - Standard bucket (1.62 m<sup>3</sup>, 2.12 yd<sup>3</sup>)
  - Narrow bucket (1.15 m<sup>3</sup>, 1.5 yd<sup>3</sup>)
  - Narrow bucket (1.46 m<sup>3</sup>, 1.91 yd<sup>3</sup>)
  - Light duty bucket (1.86 m<sup>3</sup>, 2.43 yd<sup>3</sup>)
  - Light duty bucket (2.10 m<sup>3</sup>, 2.75 yd<sup>3</sup>)
  - Light duty bucket (2.32 m<sup>3</sup>, 3.03 yd<sup>3</sup>)
  - Heavy duty bucket (1.62 m<sup>3</sup>, 2.12 yd<sup>3</sup>)
  - Rock bucket (1.44 m<sup>3</sup>, 1.88 yd<sup>3</sup>)
  - Rock bucket (1.62 m<sup>3</sup>, 2.12 yd<sup>3</sup>)
  - Rock bucket (1.86 m<sup>3</sup>, 2.43 yd<sup>3</sup>)
- Cabin lights**
- Cabin FOPS/FOG (ISO 10262)**
- Cabin Roof-Cover Transparent**
- Track shoes**
  - Triple grousers shoe (700mm, 28")
  - Triple grousers shoe (750mm, 30")
  - Triple grousers shoe (800mm, 32")
  - Triple grousers shoe (900mm, 36")
- Tropical kit**
  - Fan drive ratio (1:1)
  - Louver side cover (R/H)
- Lower frame under cover**
- Full track guard**
- Preheating system**
- Tool kit**
- Operator suit**
- Mechanical suspension seat with heated**
  - Adjustable air suspension seat



*Robex* NEW 7A SERIES

# 360LC-7A

## CRAWLER EXCAVATOR

Applied **Tier III** Engine

296 HP(221 kW) / 1,850 rpm

36,100 ~ 37,400 kg (79,590 ~ 82,500 lb)

1.15 ~ 2.32 m<sup>3</sup>(1.5 ~ 3.03 yd<sup>3</sup>)

Operating Weight :

Bucket Capacity, SAE :

1.15 ~ 2.32 m<sup>3</sup>(1.5 ~ 3.03 yd<sup>3</sup>)

 **HYUNDAI**  
HEAVY INDUSTRIES CO., LTD.

■ Photo may include optional equipment



## Built for Maximum Power, Performance, Reliability.

A new chapter in construction equipment has now begun.  
Making the dream a reality.

*Robex* **360LC-7A**

Operator's Comfort is Foremost.  
Wide Cab Exceeds Industry Standards.

## Technology in Cab Design



### Visibility

- Even more visibility than before, for safer, more efficient operating.



### Excellent Ventilation

- Ventilation has been improved by the addition of the larger fresh air intake system, and by providing additional air flow throughout the cab.
- Sliding front and side windows provide improved ventilation.
- A large sunroof offers upward visibility and additional ventilation.



### Comfortable Operator Environment

- The control levers and seat can be adjusted to provide maximum operator comfort.
- The seat is fully adjustable for optimum operating position, reducing operator fatigue.
- Console boxes slide forward and backward for improved accessibility.
- The proportional pressure controls reduce unnecessary exertion while ensuring precise operation.
- Large windows allow excellent visibility in all directions.



### Low noise design

- The Robex 7series was designed with low operation noise in mind.
- Hyundai engineering helps to keep interior and exterior noise levels to a minimum.
- The cab's noise levels have been additionally reduced by improving the door seals for the cab and engine compartments.
- An insulated diesel engine compartment with sound-damping material also reduces noise.



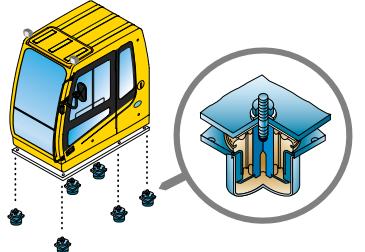
### Remote Radio Control and Deluxe Cassette





#### Improved Intelligent Display

Instrument Panel is installed in front of RH console box.  
It is easy to check all critical systems with easy-to-read indicators.



#### Minimization of Shock and Vibration through Cab Mounting System

The application of Viscous Mounting to the cabin support provides the operator with a much improved ride. The operator work efficiency will increase as the shock and noise level in the cabin decreases.



## Operating Environment

Maximum Protection



#### ▲ Storage box and Cup Holder

An Additional storage box and cup holder are located behind operator's seat, and it keeps food and beverages cool or hot.

#### ◀ Wide Cab with Excellent Visibility

The cab is roomy and ergonomically designed with low noise level and good visibility. A full view front window and large rear and side windows provide excellent visibility in all directions.



#### Highly Sensitive Joystick and Easy Entrance

New joystick grips for precise control have been equipped with double switches.

Left	Power boost
	One touch deceleration
Right	Horn/Optional



#### Easy-to-Reach Control Panels

Switches and other essential controls are located near the operator.

This helps keep operator movement to a minimum, enhancing control with less operator fatigue.



#### Rear Emergency Exit Window

Rear Exit Window is designed with easy exit for operator's safety.



#### Raise-up Wiper and Cabin Lights

Raise-up wiper has enhanced for the better front view. Cabin Lights enhances safety by brightly lighting the surroundings during night work(optional)



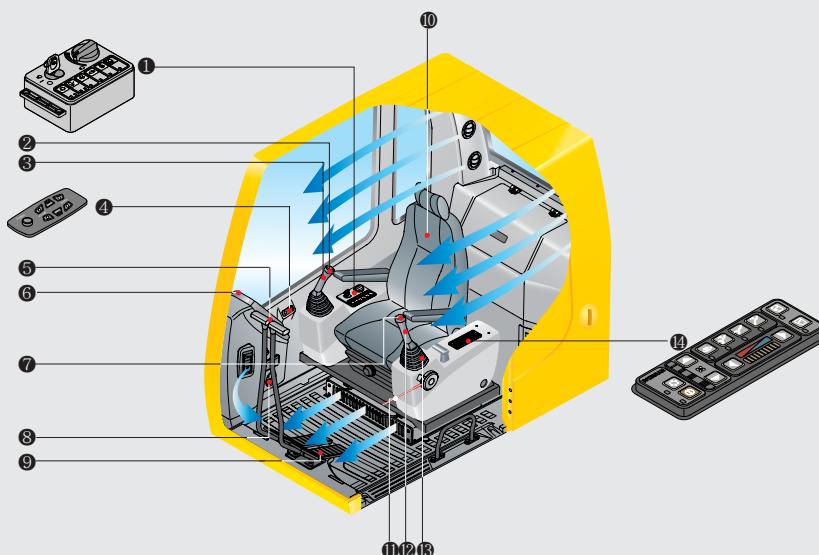
#### Wide, Comfortable Operating Space

All the controls are designed and positioned according to the latest ergonomic research. Reinforced pillars have also been added for greater cab rigidity.

#### Smooth Travel Pedal and Foot Rests



#### The best working conditions in a pleasant environment.



- ① Centralized control panel
- ② Horn button
- ③ Option button
- ④ Remote Radio control
- ⑤ Travel lever
- ⑥ Cluster
- ⑦ One touch decel button
- ⑧ Hour meter
- ⑨ Travel pedal
- ⑩ Fully adjustable suspension seat
- ⑪ Safety lever
- ⑫ Power boost button
- ⑬ Joystick control lever
- ⑭ Air Conditioner and Heater controller



#### Automatic Engine Overheat Prevention

If the engine coolant temperature gets too high, the CPU controller lowers the engine speed and cools the engine.



#### Anti Restart System

The new system protects the starter from re-starting during engine operation, even if the operator accidentally turns the start key again.



#### Power boost control System

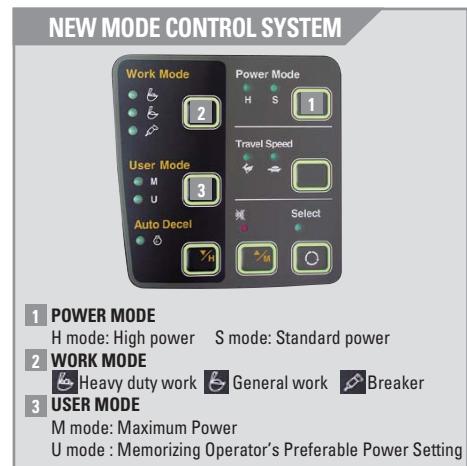
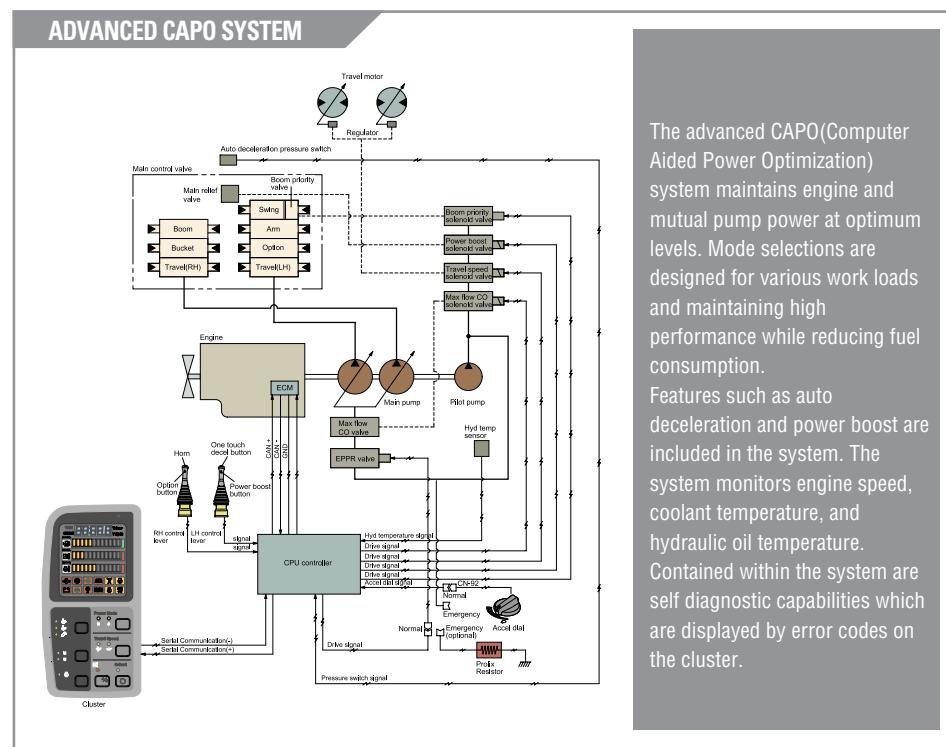
When the power boost system is activated, digging power increases about 10%. It is especially useful when extra power is temporarily needed, for instance, when digging hard earth and rock, or if the bucket teeth are stopped by a stubborn tree root.



#### Automatic Warming-up System

After the engine is started, if the engine coolant temperature is low, the CPU controller increases the engine speed and automatically increases the pump flow rate to warm up the engine more effectively.

## Advanced Hydraulic System



#### Auto Deceleration System



When remote-control valves are in neutral position more than 4 seconds, CPU controller instructs the accel actuator to reduce engine speed to 800 rpm. And then the one touch decel switch is pressed again, the engine speed recovers.

#### Max. Flow Cut-off System

For precise control and finishing work, the Max. Flow Cut-off System reduces pump flow, thus allowing smooth operation.

#### Self Diagnosis System

The CPU controller diagnoses problems in the CAPO system caused by electric and hydraulic malfunctions and displays them on the LCD monitor of the cluster through error codes. This controller has the capacity to identify 48 distinct types of errors. As the information from this device, such as engine rpm, main pump delivery pressure, battery voltage, hyd. temperature, and the state of all types of electric switches, provides the operator with a much more exact state of machine operating condition. This makes the machine easier to troubleshoot when anything does go wrong.

#### One Touch Decel System

When the one touch decel switch is pressed, CPU controller controls the accel actuator to reduce engine speed to 800 rpm. And then the one touch decel switch is pressed again, the engine speed recovers.

#### Pump Flow Control System

In neutral position: Pump flow is reduced to a minimum to eliminate power loss.

In operation: Maximum pump flow is delivered to the actuator to increase the speed. With movement of the control lever, pump flow is automatically adjusted and the actuator speed can be proportionally controlled.

#### Boom & Arm Holding System

The Holding valves in the main control valve prevents the boom & arm from dropping over an extended period in neutral position.

#### Arm Flow Regeneration System

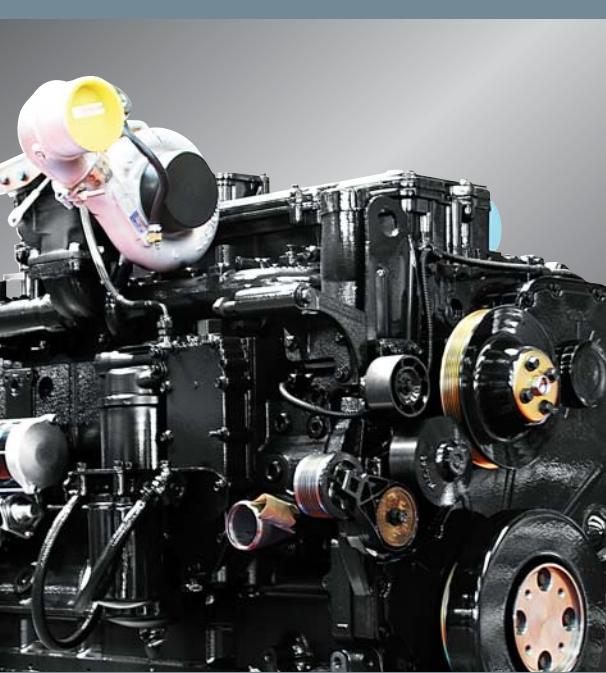
Arm flow regeneration valve provides smooth arm-in operation without cavitation.

#### Hydraulic Damper in Travel Pedal

Improved travel controllability & feeling by shock reducing when starting and stopping.

## CUMMINS QSL Engine

The six cylinder 4 cycle Turbo Charged Engine with Charged Air Cooling, Has High Power output, Reliability, economical, and low emission. This engine meets Tier III emissions regulations.



#### Heavy-duty strength

Everyone who's ever worked on construction equipment knows, there is no substitute for power and durability. The QSL handles the toughest loads and the roughest work conditions. At the same time, it delivers better fuel economy, has better cold starting capability and is up to 50% quieter in operation.

Plus, the heavy-duty design of the QSL engine block and components such as articulated pistons, enhanced camshaft and roller cam followers, viscous damper and high capacity lube system add reliability and durability you can count on every day, year after year. Both fuel-efficiency and response are significantly enhanced with Cummins high pressure common rail fuel system. The system delivers high pressure injection independent of engine speed for optimum performance and flexibility at every rpm.

## Increased Higher Performance

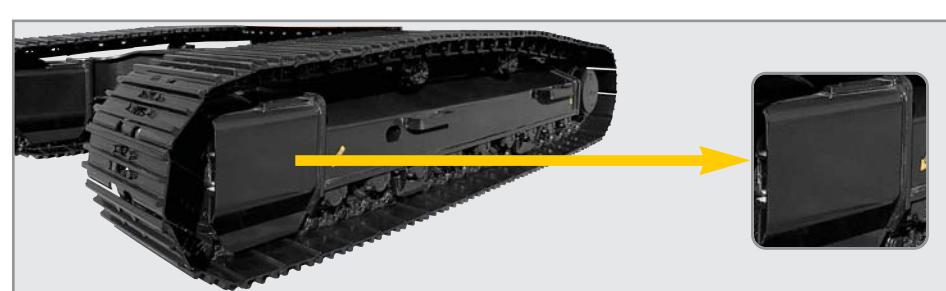


#### Strong and Stable Lower Frame

Reinforced box-section frame is all welded, low-stress, high-strength steel. It guarantees safety and resistance against external impact when driving on rough ground and working on wet sites through high tensile strength steel panels, with highly durable upper and lower rollers and track guards. Long undercarriage incorporates heavy duty excavator style components. X-leg type center frame is integrally welded for maximum strength and durability.

#### Reinforced Bucket and Bucket Linkage

Sealed and adjustable bucket linkage provides less wear of pins and bushes as well as silent operation. The design includes bucket link durability and anti wear characteristics. Additional reinforcement plates on cutting edge section. Reinforced bucket is made with thicker steel and additional lateral plate.



#### Track Rail Guide & Adjusters

Durable track rail guides keep track links in place. Track adjustment is made easy with standard grease cylinder track adjusters and shock absorbing springs. (Full Track Guide : Option)

#### Powerful and Precise Swing Control

Improved shock absorbing characteristics make stopping a precise and smooth action



Full open doors and master key system provide easy access for servicing.

## Reliability & Serviceability



### Side Cover with Left & Right Swing Open Type

Easy access to vital components gives unrestricted view of component allows easy maintenance and repair.



### Easy to maintain engine components

The cooling and preheating system are provided for optimum and immediate operation, guaranteeing longer life for the engine and hydraulic components. Servicing of the engine and hydraulics is considerably simplified due to total accessibility.



### Centralized Electric Control Box and Easy Change Air Cleaner Assembly

Electric control box and Air cleaner are centralized in one or the same compartment for easy service.

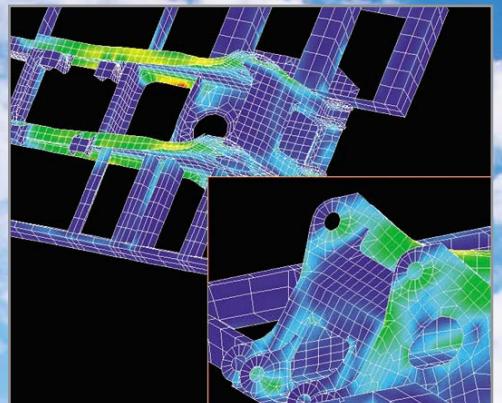


### Highly efficient Hydraulic Pump

Pump output capacity has been increased.



### Large tool box for extra storage



Durability of structure proven through FEM (Finite Element Method) analysis and long term durability test.

# Specifications

## Backhoe attachment



### Engine

Model		Cummins QSL
Type		Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, turbocharged, charger air cooler low emission
Rated flywheel horse power	SAE	J1995 (gross) 296 HP (221 kW) at 1,850 rpm
	J1349 (net)	271 HP (202 kW) at 1,850 rpm
DIN	6271/1 (gross)	300 PS (221 kW) at 1,850 rpm
	6271/1 (net)	275 PS (202 kW) at 1,850 rpm
Max. torque		138.3 kgf·m(1000 lbf·ft) at 1,400 rpm
Bore x stroke		114 x 144.5 mm (4.5" x 5.3")
Piston		8,900 cc (540 cu in)
Batteries		2 x 12 V x 160 AH
Starting motor		24 V, 7.5kW
Alternator		24V, 50 Amp



### Hydraulic system

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2 x 288 l/min (76.6 US gpm / 63.8 UK gpm)
Sub-pump for pilot circuit	Gear pump
Cross-sensing and fuel saving pump system	
Hydraulic motors	
Travel	Two speed axial piston motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	330 kgf/cm <sup>2</sup> (4,690 psi)
Travel	360 kgf/cm <sup>2</sup> (4,765 psi)
Power boost (boom, arm, bucket)	360 kgf/cm <sup>2</sup> (5,120 psi)
Swing circuit	260 kgf/cm <sup>2</sup> (3,700 psi)
Pilot circuit	35 kgf/cm <sup>2</sup> (500 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x rod x stroke	Boom: 2-160 x 110 x 1,500 mm (6.3" x 4.2" x 59.1") Arm: 1-170 x 120 x 1,760 mm (6.7" x 4.7" x 69.3") Bucket: 1-150 x 105 x 1,295 mm (5.9" x 4.1" x 51.0")



### Drives & Brakes

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	31,000 kgf (68,350 lbf)
Max. travel speed(high) / (low)	4.8 km/hr (2.8 mph) / 3.0 km/hr (2.0 mph)
Gradeability	35° (70 %)
Parking brake	Multi wet disc



Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type
External lights	Two lights mounted on the boom one under the battery box



### Swing system

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing circuit lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.0 rpm



### Coolant & Lubricant capacity

(refilling)	liter	US gal	UK gal
Fuel tank	520	137.4	114.4
Engine coolant	45.0	11.9	9.9
Engine oil	31.7	8.4	7.0
Swing device	8.0	1.6	1.3
Final drive(each)	5.5	1.8	1.5
Hydraulic system	380	100.4	83.6
Hydraulic tank	230	60.8	50.6



### Undercarriage

X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricate rollers, idlers, track adjusters with shock absorbing spring and sprockets, and track chain with double or triple grouser shoes.

Center frame	X-leg type
Track frame	Pentagonal box type
No. of shoes on each side	51
No. of carrier roller on each side	2
No. of track roller on each side	9
No. of track guard on each side	2



### Operating weight (approximate)

Operating weight, including 6,500m (21' 4") boom, 3,200 m (10' 6") arm, SAE heaped 1.62 m<sup>3</sup> (2.12 yd<sup>3</sup>) backhoe bucket, lubricant, coolant.

### Major component weight

Upperstructure	8,500 kg (18,740 lb)
Counterweight	6,500 kg (14,330 lb)
Boom (with arm cylinder)	3,780 kg (8,330 lb)

### Operating weight

Shoes(Triple grouser) mm(in)	Operating weight kg(lb)	Ground pressure kgf/cm <sup>2</sup> (psi)
※ 600(24)	36,100(79,590)	0.64(9.10)
700(28)	36,500(80,600)	0.56(7.96)
750(30)	36,725(81,000)	0.52(7.39)
800(32)	36,950(81,500)	0.49(6.97)
900(36)	37,400(82,500)	0.44(6.26)

※ Standard equipment



### Buckets

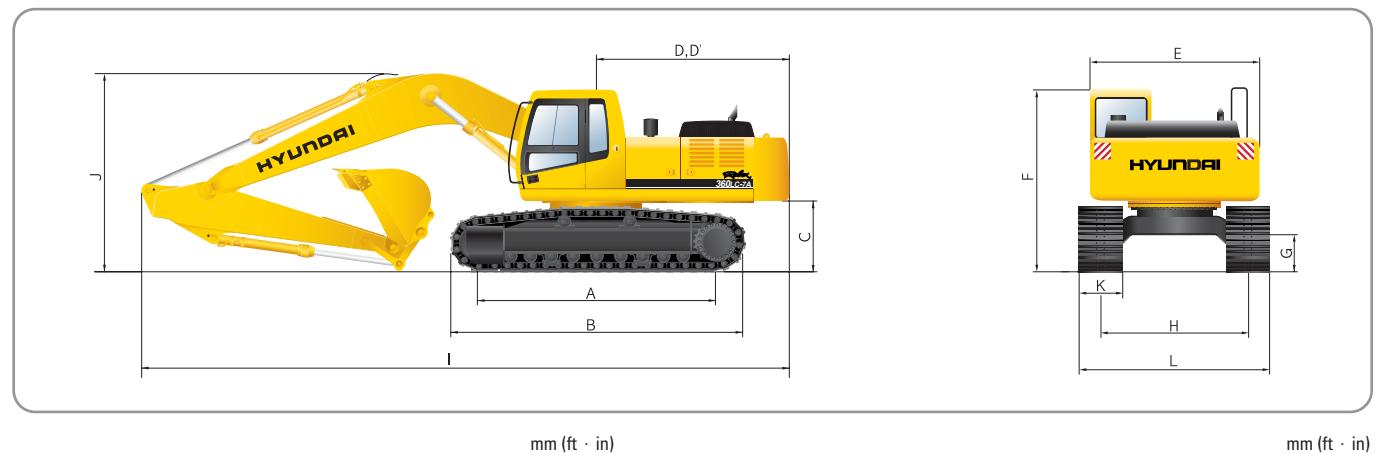
SAE heaped m <sup>3</sup> (yd <sup>3</sup> )	1.15(1.50) 1.46(1.91)	1.15(1.50) 1.46(1.91)	1.62(2.12) 1.86(2.43)	2.10(2.75) 2.32(3.03)	1.62(2.12) 1.44(1.88) 1.62(2.12)	1.62(2.12) 1.86(2.43)
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SAE heaped	CECE heaped	Without side cutters	With side cutters	Weight kg(lb)	Recommendation mm(ft.in)						
					Boom	2,500 (8' 2")	3,200 (10' 6")	3,900 (12' 10")	4,300 (14' 1")	2,500 (8' 2")	6,150 (20' 2")
1.15(1.50)	1.00(1.31)	1,090(42.9)	1,220(48.0)	1,030(2,270)	●	●	●	●	●	▲	
1.46(1.91)	1.27(1.66)	1,380(54.3)	1,510(59.4)	1,170(2,580)	●	●	●	●	●	▲	
※ 1.62(2.12)	1.40(1.83)	1,440(56.7)	1,570(61.8)	1,280(2,820)	●	●	●	●	●	—	
1.86(2.43)	1.60(2.1)	1,620(63.8)	1,750(68.9)	1,390(3,060)	●	●	●	●	●	—	
2.10(2.75)	1.80(2.4)	1,810(71.3)	1,940(76.4)	1,520(3,350)	■	■	▲	—	●	—	
2.32(3.03)	2.00(2.62)	1,990(78.3)	2,120(83.5)	1,760(3,880)	▲	▲	▲	—	■	—	
■ 1.62(2.12)	1.40(1.83)	1,540(60.6)	—	1,570(3,460)	●	■	▲	●	●	—	
● 1.44(1.88)											

# Dimensions & Working ranges



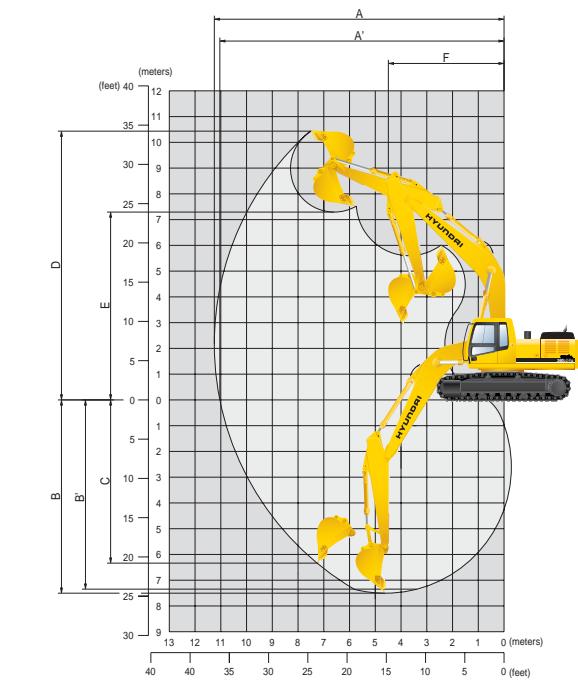
## Dimensions



A	Tumbler distance	4,340 (14' 3")
B	Overall length of crawler	5,280 (17' 4")
C	Ground clearance of counterweight	1,290 (4' 3")
D	Tail swing radius	3,415 (11' 2")
D'	Rear-end length	3,350 (11' 0")
E	Overall width of upperstructure	2,980 (9' 9")
F	Overall height of cab	3,175 (10' 5")
G	Min. ground clearance	550 (1' 10")
H	Track gauge	2,740 (9' 0")



## Working ranges



	Boom length	※ 6,500 (21' 4")			6,150 (20' 2")	8,600 (28' 3")
	Arm length	2,500 (8' 2")	※ 3,200 (10' 6")	3,900 (12' 10")	4,300 (14' 1")	2,500 (8' 2")
	Overall length	11,240 (36' 11")	11,120 (36' 6")	11,070 (36' 4")	11,050 (36' 3")	10,880 (35' 8")
	Overall height of boom	3,700 (12' 2")	3,440 (11' 3")	3,870 (12' 8")	4,270 (14' 0")	3,830 (12' 7")
	Track shoe width	※ 600 (24")	700 (28")	750 (30")	800 (32")	900 (36")
	Overall width	3,340 (10' 11")	3,440 (11' 3")	3,490 (11' 5")	3,540 (11' 7")	3,640 (11' 11")

※ Standard Equipment

	Boom length	※ 6,500 (21' 4")			6,150 (20' 2")	8,600 (28' 3")
	Arm length	2,500 (8' 2")	※ 3,200 (10' 6")	3,900 (12' 10")	4,300 (14' 1")	2,500 (8' 2")
A	Max. digging reach	10,720 (35' 2")	11,250 (36' 11")	11,870 (38' 11")	12,380 (39' 12")	10,330 (33' 11")
A'	Max. digging reach on ground	10,490 (34' 5")	11,000 (36' 1")	11,670 (38' 3")	12,180 (40' 0")	10,100 (33' 2")
B	Max. digging depth	6,800 (22' 4")	7,500 (24' 7")	8,200 (26' 11")	8,600 (28' 3")	6,440 (21' 2")
B'	Max. digging depth (8' level)	6,620 (21' 9")	7,350 (24' 1")	8,070 (26' 6")	8,480 (27' 10")	6,260 (20' 6")
C	Max. vertical wall digging depth	5,940 (19' 6")	6,340 (20' 10")	7,040 (23' 1")	7,550 (24' 9")	5,500 (18' 1")
D	Max. digging height	10,470 (34' 4")	10,430 (34' 3")	10,650 (34' 11")	11,210 (36' 3")	10,200 (33' 6")
E	Max. dumping height	7,270 (23' 10")	7,290 (23' 11")	7,510 (24' 8")	8,030 (26' 4")	7,020 (23' 0")
F	Min. swing radius	4,630 (14' 2")	4,560 (14' 12")	4,550 (14' 11")	4,570 (14' 12")	4,320 (14' 2")

※ Standard Equipment

# Lifting Capacities



## Lifting capacities

• Boom : 6.15m (20' 2") • Arm : 2.5 m (8' 2") • Bucket : 1.62 m<sup>3</sup> (2.12 yd<sup>3</sup>) SAE heaped • Shoe : 600mm(24") triple grouser with 6,500kg (14,330 lb) CW

Load point height m(ft)	Load radius					At max. reach	
	3.0 m(10.0 ft)	4.5 m(15.0 ft)	6.0 m(20.0 ft)	7.5 m(25.0 ft)	Capacity	Reach	
9.0 m 30.0 ft	kg lb						
7.5 m 25.0 ft	kg lb						
6.0 m 20.0 ft	kg lb						
4.5 m 15.0 ft	kg lb	*18380 *40520	*18380 *40520	*12260 *27030	*9890 *21800	9350 20610	*8740 *19270
3.0 m 10.0 ft	kg lb						
1.5 m 5.0 ft	kg lb						
Ground Line	kg lb						
-1.5 m -5.0 ft	kg lb						
-3.0 m -10.0 ft	kg lb						
-4.5 m -15.0 ft	kg lb						

• Boom : 6.5m (21' 4") • Arm : 2.5 m (8' 2") • Bucket : 1.62 m<sup>3</sup> (2.12 yd<sup>3</sup>) SAE heaped • Shoe : 600mm(24") triple grouser with 6,500kg (14,330 lb) CW

Load point height m(ft)	Load radius					At max. reach	
	3.0 m(10.0 ft)	4.5 m(15.0 ft)	6.0 m(20.0 ft)	7.5 m(25.0 ft)	Capacity	Reach	
9.0 m 30.0 ft	kg lb						
7.5 m 25.0 ft	kg lb						
6.0 m 20.0 ft	kg lb						
4.5 m 15.0 ft	kg lb						
3.0 m 10.0 ft	kg lb						
1.5 m 5.0 ft	kg lb						
Ground Line	kg lb						
-1.5 m -5.0 ft	kg lb						
-3.0 m -10.0 ft	kg lb						
-4.5 m -15.0 ft	kg lb						

• Boom : 6.5m (21' 4") • Arm : 3.2 m (10' 6") • Bucket : 1.62 m<sup>3</sup> (2.12 yd<sup>3</sup>) SAE heaped • Shoe : 600mm(24") triple grouser with 6,500kg (14,330 lb) CW

Load point height m(ft)	Load radius					At max. reach		
	1.5 m(5.0 ft)	3.0 m(10.0 ft)	4.5 m(15.0 ft)	6.0 m(20.0 ft)	7.5 m(25.0 ft)	9.0 m(30.0 ft)	Capacity	Reach
9.0 m 30.0 ft	kg lb							
7.5 m 25.0 ft	kg lb							
6.0 m 20.0 ft	kg lb							
4.5 m 15.0 ft	kg lb							
3.0 m 10.0 ft	kg lb							
1.5 m 5.0 ft	kg lb							
Ground Line	kg lb							
-1.5 m -5.0 ft	kg lb							
-3.0 m -10.0 ft	kg lb							
-4.5 m -15.0 ft	kg lb							
-6.0 m -20.0 ft	kg lb							

NOTES 1. Lifting capacity is based on SAE J1097, ISO 10567.

2. Lifting capacity of the Robex Series does not exceed 75% of tipping load

with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (standard equipment) located on the back of the bucket.

4. (\*) indicates load limited by hydraulic capacity.

# Lifting Capacities



## Lifting capacities



• Boom : 6.5m (21' 4") • Arm : 3.9 m (12' 10") • Bucket : 1.62 m<sup>3</sup> (2.12 yd<sup>3</sup>) SAE heaped • Shoe : 600mm(24") triple grouser with 6,500kg (14,330 lb) CW

Load point height m(ft)		Load radius						At max. reach		
		1.5 m(5.0 ft)	3.0 m(10.0 ft)	4.5 m(15.0 ft)	6.0 m(20.0 ft)	7.5 m(25.0 ft)	9.0m(30.0 ft)	Capacity	Reach	
9.0 m 30.0 ft	kg lb							*5290 *11660	5130 11310 (28.9)	
7.5 m 25.0 ft	kg lb							*5420 *11950	4000 8820 (32.3)	
6.0 m 20.0 ft	kg lb					*5890 *12990	*5890 *8070	*3660 *8070	3360 7410 (34.6)	
4.5 m 15.0 ft	kg lb					*6660 *14680	6330 13960	*5450 *12020	4440 5380 (10.95)	
3.0 m 10.0 ft	kg lb	*19900 *43870	*19900 *43870	*12040 *26540	*12040 *26540	*9120 *20110	8690 19160	*7660 *16890	5930 13070	4230 5120 (11.13)
1.5 m 5.0 ft	kg lb	*12660 *27910	*12660 *27910	*12660 *33800	*15330 *24050	*10910 *17610	7990 17610	*8710 *19200	5540 12210	7200 15870 (10.54)
Ground Line	kg lb	*13680 *30160	*13680 *30160	*17420 *38400	*12310 *25900	7470 20880	5220 11510	6990 15410	5230 8420 (10.79)	
-1.5 m -5.0 ft	kg lb	*12590 *27760	*12590 *27760	*16830 *37100	*18250 *37100	11390 25110	*13100 *28880	5020 15810	6870 11700 (10.26)	
-3.0 m -10.0 ft	kg lb	*16200 *35710	*16200 *35710	*21040 *46390	*18030 *39750	11340 25000	*13170 *29030	7080 15610	4960 20220 (9.42)	
-4.5 m -15.0 ft	kg lb	*20270 *44690	*20270 *44690	*24240 *53440	*24240 *53440	*16700 *36820	11540 25440	*9270 *20440	5080 11200 (8.17)	
-6.0 m -20.0 ft	kg lb	*19460 *42900	*19460 *42900	*19460 *30180	*13690 *26540	12040 26540				

• Boom : 6.5m (21' 4") • Arm : 4.3 m (14' 1") • Bucket : 1.62 m<sup>3</sup> (2.12 yd<sup>3</sup>) SAE heaped • Shoe : 600mm(24") triple grouser with 6,500kg (14,330 lb) CW

Load point height m(ft)		Load radius						At max. reach	
		1.5 m(5.0 ft)	3.0 m(10.0 ft)	4.5 m(15.0 ft)	6.0 m(20.0 ft)	7.5 m(25.0 ft)	9.0m(30.0 ft)	10.5m(35.0 ft)	Capacity
9.0 m 30.0 ft	kg lb								*5050 *11130
7.5 m 25.0 ft	kg lb								*4810 *10600
6.0 m 20.0 ft	kg lb								*4460 *10360
4.5 m 15.0 ft	kg lb								*4730 *10430
3.0 m 10.0 ft	kg lb	*17000 *37480	*17000 *37480	*10840 *23900	*10840 *23900	*8410 *18540	*7160 *13100	*6460 *12170	*2660 *5180
1.5 m 5.0 ft	kg lb	*30160 *31610	*30160 *31610	*13680 *28330	*12110 *22710	*7180 *18230	*6280 *12390	*5930 *10190	*21600 *4270
Ground Line	kg lb	*13030 *28730	*13030 *28730	*10300 *37020	*11840 *26100	*11850 *26100	*9250 *15730	*5380 *8360	*2500 *5510 (11.46)
-1.5 m -5.0 ft	kg lb	*11080 *24430	*11080 *24430	*15420 *34000	*15420 *34000	*17980 *23900	*11510 *20390	*5150 *10520	*2500 *5510 (11.31)
-3.0 m -10.0 ft	kg lb	*13680 *31700	*13680 *31700	*14340 *31610	*12850 *28330	*10300 *22710	*8270 *18230	*5860 *12650	*2500 *5560 (11.58)
-4.5 m -15.0 ft	kg lb	*18170 *40060	*18170 *40060	*20450 *53020	*17140 *53020	*12590 *37790	*7040 *25000	*6550 *15520	*4020 *10870
-6.0 m -20.0 ft	kg lb	*22830 *50330	*22830 *50330	*21250 *53020	*14730 *37790	*11750 *25000	*10720 *23630	*6830 *16160	*6040 *13320 (7.15)

• Boom : 6.5m (21' 4") • Arm : 3.2 m (10' 6") • Bucket : 1.62 m<sup>3</sup> (2.12 yd<sup>3</sup>) SAE heaped • Shoe : 800mm(31.5") triple grouser with 6,500kg (14,330 lb) CW

Load point height m(ft)		Load radius						At max. reach	
		1.5 m(5.0 ft)	3.0 m(10.0 ft)	4.5 m(15.0 ft)	6.0 m(20.0 ft)	7.5 m(25.0 ft)	9.0m(30.0 ft)	Capacity	Reach
9.0 m 30.0 ft	kg lb							*6020 *13270	*6020 *13270 (26.1)
7.5 m 25.0 ft	kg lb							*4590 *10120	4780 10540 (29.9)
6.0 m 20.0 ft	kg lb							*6710 *13470	6710 10540 (29.9)
4.5 m 15.0 ft	kg lb							*6110 *14790	5930 8750 (32.4)
3.0 m 10.0 ft	kg lb	*8350 *18410	*8350 *18410	*8350 *16360	*8350 *14240	*7420 *9900	*4490 *9900	*4490 *13670	6200 13670 (10.32)
1.5 m 5.0 ft	kg lb	*13690 *30180	*13690 *30180	*10100 *22270	*8820 *19440	*8370 *18450	*6400 *14110	*4390 *9680	5890 12990 (10.5)
Ground Line	kg lb	*16650 *28780	*16650 *28780	*12750 *28780	*11760 *28780	*8190 *25930	*5750 *18060	*7470 *20570	4210 16470 (9.87)
-1.5 m -5.0 ft	kg lb	*13060 *30160	*13060 *30160	*18210 *40150	*12130 *26740	*12930 *28510	*9840 *21710	*5480 *12080	*7120 *15700 (10.14)
-3.0 m -10.0 ft	kg lb	*17850 *30180	*17850 *30180	*22770 *22270	*17870 *1990	*11870 *13210	*7550 *7530	*5340 *9670	6860 12920 (9.57)
-4.5 m -15.0 ft	kg lb	*17670 *30160	*17670 *30160	*22590 *38560	*16000 *38560	*11870 *26960	*7730 *11770	*6150 *14740	7930 14740 (8.65)
-6.0 m -20.0 ft	kg lb	*19760 *49760	*19760 *49760	*22570 *49800	*22590 *49800	*16290 *35270	*7730 *26170	*6150 *17640	7930 13560 (7.25)

NOTES 1. Lifting capacity is based on SAE J1097, ISO 10567.

2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (standard equipment) located on the back of the bucket.

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7. The load point is a hook (standard equipment) located on the back of the bucket.